AUTHOR INDEX

Adkins-Finke, B., see Strum-Odin, R. (921) 378
Adler, L., see Tunblad-Johansson, I. (921) 116
Akao, T., Akao, T., Hattori, M., Namba, T. and Kobashi, K.
Enzymes involved in the formation of 3β,7β-dihydroxy-12-oxo-5β-cholanic acid from dehydrocholic acid by *Ruminococcus* sp. obtained from human intestine (921) 275
Akao, T., see Akao, T. (921) 275
Aliau, S., see Tabacik, C. (921) 405
Andersen, R.N., see Elam, M.B. (921) 531
Andre', L., see Tunblad-Johansson, I. (921) 116
Aracil, M., see Diez, E. (921) 82
Arthur, G., Page, L. and Choy, P.C.
Acylation of 1-alkenylglycerophosphoethanolamine and 1-acylglycerophosphoethanolamine in guinea-pig heart microsomes (921) 259
Aveldaño, M.I., see Rotstein, N.P. (921) 221
Aveldaño, M.I., see Rotstein, N.P. (921) 235

Balsinde, J., see Diez, E. (921) 82
Bambridge, H.E., see Slabas, A.R. (921) 50
Barrantes, F.J., see Pediconi, M.F. (921) 398
Beilin, L.J., see Croft, K.D. (921) 621
Bereziat, G., see Colard, O. (921) 333
Berezin, I.V., see Ugarova, N.N. (921) 465
Bergelson, L.D., Manevich, E.M., Molotkovsky, J.G., Muzya, G.I. and Martynova, M.A.
The interaction of prostaglandins with high-density lipoproteins: a non-equilibrium model of ligand–receptor interaction (921) 182
Billard, V., see Takahashi, R. (921) 151
Bjørneboe, A., Bjørneboe, G.-E.A. and Drevon, C.A.
Serum half-life, distribution, hepatic uptake and biliary excretion of α-tocopherol in rats (921) 175
Bjørneboe, G.-E.A., see Bjørneboe, A. (921) 175
Blache, D. and Ciavatti, M.
Rat platelet arachidonate metabolism in the presence of Ca^{2+}, Sr^{2+} and Ba^{2+}: studies using intact platelets and semi-purified phospholipase A_2 (921) 541
Blachier, F., Sener, A. and Malaisse, W.J.
Interference of a nonmetabolized analogue of L-leucine with lipid metabolism in tumoral pancreatic islet cells (921) 494
Blake, W.L., see Strum-Odin, R. (921) 378
Boonstra, J., see Ponec, M. (921) 512
Boubez, W., see Funk, C.D. (921) 213
Boylan, M.R., see Scott, J.E. (921) 75
Braughler, J.M., Chase, R.L. and Pregenzer, J.F.
Oxidation of ferrous iron during peroxidation of lipid substrates (921) 457
Breton, M., see Colard, O. (921) 333
Brown, M.L., Jakubowski, J.A., Leventis, L.L. and Deykin, D.
Ionophore-induced metabolism of phospholipids and eicosanoid production in porcine aortic endothelial cells: selective release of arachidonic acid from diacyl and ether phospholipids (921) 159
Brunnberg, L., see Törmä, H. (921) 254
Burton, G.W., see Zahalka, H.A. (921) 481

Caffrey, M., Werner, B.G. and Priestley, D.A.
A crystalline lipid phase in a dry biological system: evidence from X-ray diffraction analysis of *Typha latifolia* pollen (921) 124
Callow, M.J., see Redgrave, T.G. (921) 154
Champarnaud, G., see Magot, T. (921) 587
Chase, R.L., see Braughler, J.M. (921) 457
Cheng, C., see Zahalka, H.A. (921) 481
Cheruy, A., see Magot, T. (921) 587
Choy, P.C., see Arthur, G. (921) 259
Chung, W., see Yu, S.-H. (921) 437
Ciavatti, M., see Blache, D. (921) 541
Clarke, S.D., see Strum-Odin, R. (921) 378
Clave, C., see Prome, D. (921) 559
Colard, O., Breton, M. and Bereziat, G.
Hydrolysis of endogenous phospholipids by rat platelet phospholipase A_2: ether or acyl bond and polar head group selectivity (921) 333
Croft, K.D., Beilin, L.J. and Ford, G.L.
Differential inhibition of thromboxane B_2 and leukotriene B_4 biosynthesis by two naturally occurring acetylenic fatty acids (921) 621
Csonka-Khalifah, L., see Maguire, M.H. (921) 426
Cullis, P.R., see Wong, K.F. (921) 411

Deykin, D., see Brown, M.L. (921) 159
Diez, E., Balsinde, J., Aracil, M. and Schüller, A.
Ethanol induces release of arachidonic acid but not synthesis of eicosanoids in mouse peritoneal macrophages (921) 82
Dolphin, M., see Scott, J.E. (921) 75
Donoso, P., see Pediconi, M.F. (921) 398
Douady, D. and Dubacq, J.-P.
Purification of acyl-CoA: glycerol-3-phosphate acyltransferase from pea leaves (921) 615
Downing, D.T., see Melton, J.L. (921) 191
Drevon, C.A., see Bjørneboe, A. (921) 175
Dubacq, J.-P., see Douady, D. (921) 615
Dukhovich, A.F., see Ugarova, N.N. (921) 465

Egestad, B., see Marschall, H.-U. (921) 392
Ekiel, I., see Ferrante, G. (921) 281
Ekman, S. and Lundberg, B.
The transfer of lipids from protein-free lipoprotein models to human fibroblasts in culture (921) 347
Elam, M.B., Umstot, E.S., Andersen, R.N., Solomon, S.S. and Heimberg, M.
Deprivation and repletion of androgen in vivo modifies triacylglycerol synthesis by rat hepatocytes (921) 531
Escoffier, B., see Prome, D. (921) 559

Férézou, J., see Sérougne, C. (921) 522
Ferrante, G., Ekiel, I. and Sprott, G.D.
Structures of diether lipids of *Methanospirillum hungatei* containing novel head groups *N,N*-dimethylamino- and *N,N,N*-trimethylaminopentanetetrol (921) 281
Fitzsimmons, B., see Foster, A. (921) 486
Ford, G.L., see Croft, K.D. (921) 621
Foster, A., Fitzsimmons, B., Rokach, J. and Letts, L.G.
Metabolism and excretion of peptide leukotrienes in the anesthetized rat (921) 486
Foster, K., see Lamb, R.G. (921) 67
Fraser, M.O., see Scott, J.E. (921) 75
Frein, Y., see Magot, T. (921) 587
Fujimoto, N., see Goh, Y. (921) 302
Fukuda, H., Katsurada, A. and Iritani, N.
Effects of aging on contributions of dietary fat and triiodothyronine treatment to lipogenic enzyme induction (921) 43
Funk, C.D., Boubez, W. and Powell, W.S.
Effects of selenium-deficient diets on the production of prostaglandins and other oxygenated metabolites of arachidonic acid and linoleic acid by rat and rabbit aortae (921) 213

Gilat, T., see Harvey, P.R.C. (921) 198
Gilfillan, A.M., see Rosenberg, I.L. (921) 473
Gimes, G., see Tóth, M. (921) 417
Glick, J.M., see McCloskey, H.M. (921) 320
Goh, Y., Urade, Y., Fujimoto, N. and Hayaishi, O.
Content and formation of prostaglandins and distribution of prostaglandin-related enzyme activities in the rat ocular system (921) 302

Harding, J., see Slabas, A.R. (921) 50
Harding, P.G.R., see Yu, S.-H. (921) 437
Harvey, P.R.C., Somjen, G., Lichtenberg, M.S., Petrunka, C., Gilat, T. and Strasberg, S.M.
Nucleation of cholesterol from vesicles isolated from bile of patients with and without cholesterol gallstones (921) 198
Hashimoto, F. and Hayashi, H.
Significance of catalase in peroxisomal fatty acyl-CoA β-oxidation (921) 142
Hattori, M., see Akao, T. (921) 275
Hayaishi, O., see Goh, Y. (921) 302
Hayashi, H., see Hashimoto, F. (921) 142
Hedström, S.Å., see Rollof, J. (921) 364
Hedström, S.Å., see Rollof, J. (921) 370
Heimberg, M., see Elam, M.B. (921) 531
Hellyer, A., see Slabas, A.R. (921) 50
Hertelendy, F., see Tóth, M. (921) 417
Hidalgo, C., see Pediconi, M.F. (921) 398
Hohl, C.M. and Rösen, P.
The role of arachidonic acid in rat heart cell metabolism (921) 356
Hori, S., see Yoshida, T. (921) 575
Horie, S., see Yamada, J. (921) 292
Horrobin, D.F., see Takahashi, R. (921) 151
Horváth, I., see Vigh, L. (921) 167

Igarashi, K., see Tomoda, H. (921) 595
Ikeda, I., Imaizumi, K. and Sugano, M.
Absorption and transport of base moieties of phosphatidylcholine and phosphatidylethanolamine in rats (921) 245
Imaizumi, K., see Ikeda, I. (921) 245
Ingold, K.U., see Zahalka, H.A. (921) 481
Iritani, N., see Fukuda, H. (921) 43

Jakubowski, J.A., see Brown, M.L. (921) 159
Joó, F., see Vigh, L. (921) 167

Katayama, K., see Yamada, K. (921) 567
Katsurada, A., see Fukuda, H. (921) 43
Kaya, K. and Kusumi, T.
Pathway of taurolipid B formation from exogenous taurolipid A by *Tetrahymena thermophila* (921) 7
Kempenaar, J., see Ponec, M. (921) 512
Kinsky, S.C. and Loader, J.E.
Circumvention of the methotrexate transport system by methotrexate-phosphatidylethanolamine derivatives: effect of fatty acid chain length (921) 96
Kivits, G.A.A., see Nugteren, D.H. (921) 135
Kobashi, K., see Akao, T. (921) 275
Kohara, H. and Shimizu, K.
Stereospecific removal of the 16α-hydrogen in the biosynthesis of 5,16-androstadien-3β-ol from pregnenolone (921) 90
Kothari, H.V., Lee, W.H. and Ku, E.C.
An alternate mechanism for regulation of leukotriene production in leukocytes: studies with an anti-inflammatory drug, sodium diclofenac (921) 502
Ku, E.C., see Kothari, H.V. (921) 502
Kuhn, D.E. and Logan, D.M.
Fiber-specific cholesterol changes in murine dystrophy (921) 13
Kunze, D., see Rüstow, B. (921) 552
Kusumi, T., see Kaya, K. (921) 7
Kuwano, M., see Yoshida, T. (921) 575
Kuypers, F.A., Van den Berg, J.J.M., Schalkwijk, C., Roelofsen, B. and Op den Kamp, J.A.F.
Parinaric acid as a sensitive fluorescent probe for the determination of lipid peroxidation (921) 266
Kyte, V., see Takahashi, R. (921) 151

Lamb, R.G., Foster, K. and McGuffin, M.
A distinction in vitro between rat liver phosphatidate phosphatase and phospholipase C (921) 67

Lee, W.H., see Kothari, H.V. (921) 502
Letts, L.G., see Foster, A. (921) 486
Leventis, L.L., see Brown, M.L. (921) 159
Lewis, T.A., Rodriguez, R.J. and Parks, L.W.
Relationship between intracellular sterol content and sterol esterification and hydrolysis in *Saccharomyces cerevisiae* (921) 205
Lichtenberg, M.S., see Harvey, P.R.C. (921) 198
Liston, T.E. and Nasjletti, A.
Triacylglycerol lipase activity in the rabbit renal medulla (921) 449
Loader, J.E., see Kinsky, S.C. (921) 96
Logan, D.M., see Kuhn, D.E. (921) 13
Lundberg, B., see Ekman, S. (921) 347
Lutton, C., see Magot, T. (921) 587

McCloskey, H.M., Rothblat, G.H. and Glick, J.M.
Incubation of acetylated low-density lipoprotein with cholesterol-rich dispersions enhances cholesterol uptake by macrophages (921) 320
McGuffin, M., see Lamb, R.G. (921) 67
Magot, T., Frein, Y., Champarnaud, G., Cheruy, A. and Lutton, C.
Origin and fate of rat plasma cholesterol in vivo. Modelling of cholesterol movements between plasma and organs (921) 587
Maguire, M.H. and Csonka-Khalifah, L.
Vinca alkaloids inhibit conversion of arachidonic acid to thromboxane by human platelet microsomes: comparison with other microtubule-active drugs (921) 426
Malaisse, W.J., see Blachier, F. (921) 494
Manevich, E.M., see Bergelson, L.D. (921) 182
Marschall, H.-U., Matern, H., Egestad, B., Matern, S. and Sjövall, S.
6α-Glucuronidation of hyodeoxycholic acid by human liver, kidney and small bowel microsomes (921) 392
Martynova, M.A., see Bergelson, L.D. (921) 182
Matern, H. and Matern, S.
Formation of bile acid glucosides and dolichyl phosphoglucose by microsomal glucosyltransferases in liver, kidney and intestine of man (921) 1
Matern, H., see Marschall, H.-U. (921) 392
Matern, S., see Marschall, H.-U. (921) 392
Matern, S., see Matern, H. (921) 1
Matyas, G.R. and Morré, D.J.
Subcellular distribution and biosynthesis of rat liver gangliosides (921) 599
Mayer, L.D., see Wong, K.F. (921) 411
Melton, J.L., Wertz, P.W., Swartzendruber, D.C. and Downing, D.T.
Effects of essential fatty acid deficiency on epidermal *O*-acylsphingolipids and transepidermal water loss in young pigs (921) 191
Menon, K.M.J., see Rajan, V.P. (921) 25
Molotkovsky, J.G., see Bergelson, L.D. (921) 182
Morré, D.J., see Matyas, G.R. (921) 599
Muzya, G.I., see Bergelson, L.D. (921) 182

Namba, T., see Akao, T. (921) 275
Nasjletti, A., see Liston, T.E. (921) 449
Nilsson-Ehle, P., see Rollof, J. (921) 364
Nilsson-Ehle, P., see Rollof, J. (921) 370
Nugteren, D.H. and Kivits, G.A.A.
Conversion of linoleic acid and arachidonic acid by skin epidermal lipoxygenases (921) 135

Ogawa, S., see Yamada, J. (921) 292
Olafson, R.W., see Yu, S.-H. (921) 437
Olivecrona, T., see Semb, H. (921) 104
Ōmura, S., see Tomoda, H. (921) 595
Ono, M., see Yoshida, T. (921) 575
Op den Kamp, J.A.F., see Kuypers, F.A. (921) 266
Oulton, M., see Scott, J.E. (921) 75

Page, L., see Arthur, G. (921) 259
Parks, L.W., see Lewis, T.A. (921) 205
Parmar, Y.I., see Wong, K.F. (921) 411
Pediconi, M.F., Donoso, P., Hidalgo, C. and Barrantes, F.J.
Lipid composition of purified transverse tubule membranes isolated from amphibian skeletal muscle (921) 398
Petrunka, C., see Harvey, P.R.C. (921) 198
Philippova, N.Y., see Ugarova, N.N. (921) 465
Phinney, S.D., see Strum-Odin, R. (921) 378
Pickett, W.C., see Ramesha, C.S. (921) 60
Ponec, M., Kempenaar, J. and Boonstra, J.
Regulation of lipid synthesis in relation to keratinocyte differentiation capacity (921) 512
Possmayer, F., see Yu, S.-H. (921) 437
Powell, W.S., see Funk, C.D. (921) 213
Pregenzer, J.F., see Braughler, J.M. (921) 457
Priestley, D.A., see Caffrey, M. (921) 124
Pritchard, P.H., see Wong, K.F. (921) 411
Prome, D., Clave, C., Escoffier, B. and Prome, J.-C.
Conversion of sterols and triterpenes by mycobacteria. II. Transformation of 7-oxygenated sterols into androstane derivatives via a 7-deoxygenation (921) 559
Prome, J.-C., see Prome, D. (921) 559

Rajan, V.P. and Menon, K.M.J.
Metabolism of high-density lipoproteins in cultured rat luteal cells (921) 25
Ramesha, C.S. and Pickett, W.C.
Human neutrophil platelet-activating factor: molecular heterogeneity in unstimulated and ionophore-stimulated cells (921) 60
Redgrave, T.G., Vassiliou, G.G. and Callow, M.J.
Cholesterol is necessary for triacylglycerol-phospholipid emulsions to mimic the metabolism of lipoproteins (921) 154
Roberts, P., see Slabas, A.R. (921) 50
Rodriguez, R.J., see Lewis, T.A. (921) 205
Roelofsen, B., see Kuypers, F.A. (921) 266
Rokach, J., see Foster, A. (921) 486
Rollof, J., Hedström, S.Å. and Nilsson-Ehle, P.
Purification and characterization of a lipase from *Staphylococcus aureus* (921) 364

Rollof, J., Hedström, S.Å. and Nilsson-Ehle, P.
Positional specificity and substrate preference of purified *Staphylococcus aureus* lipase (921) 370
Rooney, S.A., see Rosenberg, I.L. (921) 473
Rösen, P., see Hohl, C.M. (921) 356
Rosenberg, I.L., Smart, D.A., Gilfillan, A.M. and Rooney, S.A.
Effect of 1-oleoyl-2-acetylglycerol and other lipids on phosphatidylcholine synthesis and cholinephosphate cytidylyltransferase activity in cultured type II pneumocytes (921) 473
Rothblat, G.H., see McCloskey, H.M. (921) 320
Rotstein, N.P. and Aveldaño, M.I.
Labeling of lipids of retina subcellular fractions by [1-^{14}C]eicosatetraenoate (20 : 4($n-6$)) docosapentaenoate (22 : 5($n-3$)) and docosahexaenoate (22 : 6($n-3$)) (921) 221
Rotstein, N.P. and Aveldaño, M.I.
Labeling of phosphatidylcholines of retina subcellular fractions by [1-^{14}C]eicosatetraenoate (20 : 4($n-6$)), docosapentaenoate (22 : 5($n-3$)) and docosahexaenoate (22 : 6($n-3$)) (921) 235
Rukaj, A., see Sérougne, C. (921) 522
Rüstow, B. and Kunze, D.
Further evidence for the existence of different diacylglycerol pools of the phosphatidylcholine synthesis in microsomes (921) 552

Sainte-Marie, J., see Tabacik, C. (921) 405
Sato, T., see Yamada, K. (921) 567
Schalkwijk, C., see Kuypers, F.A. (921) 266
Schüller, A., see Diez, E. (921) 82
Scott, J.E., Oulton, M., Boylan, M.R., Dolphin, M., Fraser, M.O. and Temple, S.
Profile of phospholipase A_2 activity in subcellular fractions and lamellar bodies of developing, neonatal and adult rabbit lung. Correlation with intracellular levels of disaturated phosphatidylcholine (921) 75
Semb, H. and Olivecrona, T.
Mechanisms for turnover of lipoprotein lipase in guinea pig adipocytes (921) 104
Sener, A., see Blachier, F. (921) 494
Sérougne, C., Férézou, J. and Rukaj, A.
A new relationship between cholesterolemia and cholesterol synthesis determined in rats fed an excess of cystine (921) 522
Shee, , see Zahalka, H.A. (921) 481
Shimizu, K., see Kohara, H. (921) 90
Shvets, S.V., see Ugarova, N.N. (921) 465
Sjövall, S., see Marschall, H.-U. (921) 392
Skjeldal, O.H. and Stokke, O.
The subcellular localization of phytanic acid oxidase in rat liver (921) 38
Slabas, A.R., Harding, J., Hellyer, A., Roberts, P. and Bambridge, H.E.
Induction, purification and characterization of acyl carrier protein from developing seeds of oil seed rape (*Brassica napus*) (921) 50
Smart, D.A., see Rosenberg, I.L. (921) 473
Solomon, S.S., see Elam, M.B. (921) 531
Somjen, G., see Harvey, P.R.C. (921) 198
Sprott, G.D., see Ferrante, G. (921) 281
Stokke, O., see Skjeldal, O.H. (921) 38
Strasberg, S.M., see Harvey, P.R.C. (921) 198
Strum-Odin, R., Adkins-Finke, B., Blake, W.L., Phinney, S.D. and Clarke, S.D.
Modification of fatty acid composition of membrane phospholipid in hepatocyte monolayer with $n-3$, $n-6$ and $n-9$ fatty acids and its relationship to triacylglycerol production (921) 378
Suga, T., see Yamada, J. (921) 292
Sugano, M., see Ikeda, I. (921) 245
Swartzendruber, D.C., see Melton, J.L. (921) 191

Tabacik, C., Aliau, S. and Sainte-Marie, J.
Regulation of cholesterol biosynthesis at a stage after the 3-hydroxy-3-methylglutaryl-CoA reductase step, in normal and leukemic (L_2C) guinea pig lymphocytes (921) 405
Takahashi, R., Horrobin, D.F., Watanabe, Y., Kyte, V. and Billard, V.
Short-term diabetes increases triacylglycerol arachidonic acid content in the rat liver (921) 151
Taki, T., see Yamada, K. (921) 567
Temple, S., see Scott, J.E. (921) 75
Thompson Jr., G.A., see Vigh, L. (921) 167
Tomoda, H., Igarashi, K. and Ōmura, S.
Inhibition of acyl-CoA synthetase by triacsins (921) 595
Törmä, H., Brunnberg, L. and Vahlquist, A.
Age-related variations in acyl-CoA:retinol acyltransferase activity and vitamin A concentration in the liver and epidermis of hairless mice (921) 254
Tóth, M., Gimes, G. and Hertelendy, F.
Triton X-100 promotes the accumulation of phosphatidic acid and inhibits the synthesis of phosphatidylcholine in human decidua and chorion frondosum tissues in vitro (921) 417
Tsukidate, K., see Yamada, K. (921) 567
Tunblad-Johansson, I., Andre', L. and Adler, L.
The sterol and phospholipid composition of the salt-tolerant yeast *Debaryomyces hansenii* grown at various concentrations of NaCl (921) 116

Ugarova, N.N., Dukhovich, A.F., Shvets, S.V., Philippova, N.Y. and Berezin, I.V.
Kinetics of the inactivation of the protein-lipid complex, firefly luciferase, by sodium deoxycholate and its reactivation by phosphatidylcholine (921) 465
Umstot, E.S., see Elam, M.B. (921) 531
Urade, Y., see Goh, Y. (921) 302

Vahlquist, A., see Törmä, H. (921) 254
Van den Berg, J.J.M., see Kuypers, F.A. (921) 266
Vassiliou, G.G., see Redgrave, T.G. (921) 154
Veldink, G.A., see Walstra, P. (921) 312
Verhagen, J., see Walstra, P. (921) 312
Vermeer, M.A., see Walstra, P. (921) 312
Vigh, L., Horváth, I., Joó, F. and Thompson Jr., G.A.

The hydrogenation of phospholipid-bound unsaturated fatty acids by a homogeneous, water-soluble, palladium catalyst (921) 167
Vliegenthart, J.F.G., see Walstra, P. (921) 312

Waki, M., see Yoshida, T. (921) 575
Walstra, P., Verhagen, J., Vermeer, M.A., Veldink, G.A. and Vliegenthart, J.F.G.
Demonstration of a 12-lipoxygenase activity in bovine polymorphonuclear leukocytes (921) 312
Watanabe, T., see Yamada, J. (921) 292
Watanabe, Y., see Takahashi, R. (921) 151
Werner, B.G., see Caffrey, M. (921) 124
Wertz, P.W., see Melton, J.L. (921) 191
Wong, K.F., Parmar, Y.I., Mayer, L.D., Pritchard, P.H. and Cullis, P.R.
Detection of protein-free lipoprotein analogues with an apolar lipid core by freeze-etch electron microscopy (921) 411

Yamada, J., Ogawa, S., Horie, S., Watanabe, T. and Suga, T.
Participation of peroxisomes in the metabolism of xenobiotic acyl compounds: comparison between peroxisomal and mitochondrial β-oxidiation of ω-phenyl fatty acids in rat liver (921) 292
Yamada, K., Tsukidate, K., Taki, T., Katayama, K. and Sato, T.
Time course of dolichol and dolichyl phosphate during chemical carcinogenesis in rat liver (921) 567
Yoshida, T., Yoshimura, A., Ono, M., Hori, S., Waki, M. and Kuwano, M.
Altered function and structure of low-density lipoprotein receptor in compactin (ML236B)-resistant mutants of Chinese hamster cells (921) 575
Yoshimura, A., see Yoshida, T. (921) 575
Yu, S.-H., Chung, W., Olafson, R.W., Harding, P.G.R. and Possmayer, F.
Characterization of the small hydrophobic proteins associated with pulmonary surfactant (921) 437

Zahalka, H.A., Shee, , Cheng, C., Burton, G.W. and Ingold, K.U.
Hydrolysis of stereoisomeric α-tocopheryl acetates catalyzed by bovine cholesterol esterase (921) 481